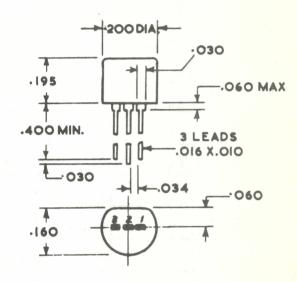
### AMALGAMATED WIRELESS VALVE CO. PTY. LTD.



AS306 AS304 AS307 AS305 AS308

#### DIMENSIONAL OUTLINE



Dimensions in Inches

## ABSOLUTE MAXIMUM RATINGS

Collector-base voltage = 45 volts

These units are n-p-n silicon planar transistors in an epoxy package for general H.F. and V.H.F. application.

They are intended primarily for use

circuits of vhf television receivers; and are also useful in communications

Types AS304 and AS305 are vhf types,

for use as mixer and local oscillator

respectively in TV tuners to 220 MHz.

Types AS306, AS307, and AS308 are for

These types feature high transition

frequencies and low cutoff currents.

in the tuner and if-amplifier

equipment up to about 260 MHz.

use in 36 MHz TV if-amplifiers.

Collector-emitter voltage = 45 volts (Base-emitter resistance

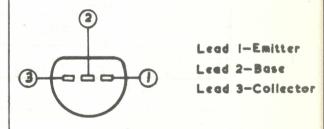
 $= 100 \text{K}\Omega)$ 

Emitter-base voltage = 4.5 volts

Emitter current = 50mA

Base current = 25mA

#### TERMINAL DIAGRAM



## THERMAL RATINGS

Dissipation in an ambient temperature up to 25°C ----- 200mW max.

Derate linearly to zero at 135°C.

During soldering lead temperature must not exceed  $255^{\circ}$ C for 10 secs. max. within 1/16" of can.

Storage temperature -25°C to 135°C.

# CHARACTERISTICS AT 25°C

PARAMETER	CONDITIONS  I <sub>BE</sub> = 20mA		MIN.	TYP.	MAX.	UNITS
V <sub>BE</sub>			ige pu	n r	1.2	2 n V y 3
ICBO	V <sub>CB</sub> = 1V	F. application.	H.V	na .	20	nA
ІСВО	V <sub>CB</sub> = 45V	med filer	14 61	tenes:	1	μА
I <sub>EBO</sub>	V <sub>EB</sub> = 4.5V		relej	TAV	0 13	μА
V <sub>EBF</sub>	V <sub>CB</sub> = 45V	anotasainummas m	fult	ish o	1 51 6	le Vine
V <sub>CER</sub>		R <sub>BE</sub> = 100KΩ	45	hna 1	6.22 <b>A</b>	V
f	$V_{CE} = 6V, I_{E}$	= 2mA, f=100MHz	bas .	exim	28 9	lu noi
( Aa)	AS304, AS305	mers to 220 MHz.	IT YI	1000	9 1 7 2 3	MHz
	AND AND DESCRIPTION OF STREET OF STREET OF STREET, STREET OF STREET, S	, AS308		800	NUR CA	MHz
IB		= 1mA transit dgir	541	net	types	Prese
	AS304	conff currents.	3.6	bns	25	μА
	AS305, AS308		3.6		37	μА
	AS306	gelande fre destruire - escentiel o morre verer artes - de escentives marie escentive e viz en	6		25	μА
	AS307	PATOV 25 - AU	11.6	11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	37	μА
Cpic	$V_{CE} = 8V, I_{E}$	5:00 = 45 vo0ts	04 4	d J km	1.4	pf
R <sub>bb</sub> , C <sub>b</sub> , c		= 2mA, f=31.9MHz	7273	14	JOOL	ps
		adfov 2,4 =	spai	lov e	## d - Y	ed i the
	* Name year	Amue =		tent		e o o o o o
	ergen kodici jakriskolig, kollikalega inoministator, di sajangkon sajangkila			N DOZUM	Trng	I MEDIL
200m	0030 24					an may all and a first
		Compliments of	01. Y	fraen	It et	ar a C
55°C for	THE RESIDENCE OF THE PROPERTY	NATED WIRELESS V		60. P	Y. L	gnyhui
	VICTORIA PO, RYDALMERE			NE:	933-0	
			9711	DETER	93 9	torag
						1

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